

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2005/002585**A. CLASSIFICATION OF SUBJECT MATTER***C10M 111/00(2006.01)i*

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C10M 111/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and applications for inventions since 1975

Korean Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

KR : IPC as above

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KR2003-0077095 A (SONG, JEONG SEOP) 1 October 2003 See abstract, and claims 1-2	1-4, 6
X	JP3161789 B2 (SHIGEMATSU KAZUYOSHI) 23 February 2001 See abstract, paragraph [0003]-[0012], and claims 1-6	1-4, 6
X	US5292444 A (Abhimanyu O. Patil) 8 March 1994 See abstract, column 1, claims 1-2	1-4, 6
X	WO2004/039483 A (Naoki Yasuda) 13 May 2004 See abstract, paragraph [0001], [0006]	1-4, 6
X	US5269955 A (Yasuhiro Kawaguchi) 14 December 1993 See abstract, column 9	5

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

09 MAY 2006 (09.05.2006)

Date of mailing of the international search report

09 MAY 2006 (09.05.2006)

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2005/002585

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR2003-0077095 A	01. 10. 2003	NONE	
JP05117174 A	14. 05. 1993	NONE	
US5292444 A	08. 03. 1994	NONE	
W02004039483A1	13. 05. 2004	AU2003275694A1 CN1732039A KR1020050065662 US2005240051AA	25. 05. 2004 08. 02. 2006 29. 06. 2005 27. 10. 2005
US5269955A	14. 12. 1993	CA2016175C DE69004327C0 EP00397037B1 JP3205492A2 JP7119430B4 KR9614930B1 US5536881A	27. 02. 2001 09. 12. 1993 03. 11. 1993 06. 09. 1991 20. 12. 1995 21. 10. 1996 16. 07. 1996